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010126014 **Image available**

WPI Acc No: 1995-027265/ 199504

Compsn. for measurement of potassium ion, providing high accuracy - contains urea amidoliasase, urea, ATP, bicarbonate ion and magnesium ion

Patent Assignee: TOYOBO KK (TOYM)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 6311897	A	19941108	JP 93103034	A	19930428	199504 B

Priority Applications (No Type Date): JP 93103034 A 19930428

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 6311897	A	5	C12Q-001/58	

Abstract (Basic): JP 6311897 A

Compsn. contains (A) urea amido liase; (B) urea; (C) adenosine triphosphate; (D) bicarbonate ion; and (E) magnesium ion. The enzyme (A) catalyses the reaction of urea with bicarbonate ion and ATP to form allophanic acid which further reacts with URL to form ammonia. The bicarbonate source is e.g. sodium bicarbonate. The magnesium ion source is e.g. magnesium sulphate.

USE/ADVANTAGE - Without a sodium- ion-binding agent, method permits easy and accurate determ. of potassium ion in a short time.

Dwg.0/6

Derwent Class: B04; D16; E34; J04

International Patent Class (Main): C12Q-001/58

International Patent Class (Additional): C12Q-001/527

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